

***FlyBy Math™* Alignment**
South Dakota Mathematics Content Standards
May 17, 2004

Algebra Standards

Indicator 3: Interpret and develop mathematical models.

Standard and Supporting Skills	<i>FlyBy Math™</i> Activities
6.A.3.1. (Knowledge) Identify and graph ordered pairs in Quadrant I on a coordinate plane.	--Plot points on a schematic of a jet route, on a vertical line graph, and on a Cartesian coordinate system to describe the motion of two airplanes.
6.A.3.2. (Application) Solve one-step problems involving ratios and rates.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

Indicator 4: Analyze and describe the properties and behaviors of relations, functions, and their inverses.

Standard and Supporting Skills	<i>FlyBy Math™</i> Activities
6.A.4.1. (Comprehension) Use concrete materials, graphs, and algebraic statements to represent problem situations.	--Represent distance, speed, and time relationships for constant speed cases using tables, bar graphs, line graphs, equations, and a Cartesian coordinate system.

Measurement Standards

Indicator 1: Apply measurement concepts in practical applications.

Standard and Supporting Skills	<i>FlyBy Math™</i> Activities
6.M.1.1. (Comprehension) Select, use, and convert appropriate unit of measurement for a situation.	--Calculate and measure the position and time of simulated aircraft. Represent that motion using tables, graphs, equations, and experimentation.

Statistics and Probability Standards

Indicator 1: Use statistical models to gather, analyze, and display data to draw conclusions.

Standard and Supporting Skills	<i>FlyBy Math™</i> Activities
6.S.1.2. (Application) Display data using bar and line graphs and draw conclusions from data displayed in a graph.	--Represent distance, rate, and time data using tables, line plots, bar graphs, and line graphs. --Use tables, bar graphs, line graphs, equations, and a Cartesian coordinate system to draw conclusions.